



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RB PWC38147-1
Job Sheet 187369



Part No: RB PWC38147-1

Job Qty: 20 ea

Part Name: Drain Quill



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 12/3/18

Job Tracking No:

Due Date: 1/31/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: IPP Rev A 17.11.07 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	20 Ea	1/31/19	1/31/19	0.00	0.00	Start Up Machining-4		<i>19/01/07</i>
110	CNC Lathe	20 pcs	1/31/19	1/31/19	0.00	10.00	SL-154		<i>19/01/07</i>
120	QC	20 pcs	1/31/19	1/31/19	0.00	0.00	QC2		<i>19/01/07</i>
122	CNC Vertical Machining	20 pcs	1/31/19	1/31/19	0.00	10.00	NV5000-1		<i>J.C.V.</i>
124	QC	20 pcs	1/31/19	1/31/19	0.00	0.00	QC2 Machining-2		<i>J.C.V. 19-01-09</i>
130	QC	20 pcs	1/31/19	1/31/19	0.00	0.00	QC8		<i>De 19-01-09</i>
150	Outsource	20 pcs	1/31/19	1/31/19			-ATG001-VC Alltech 10		<i>19-01-10</i>
160	Packaging	20 pcs	1/31/19	1/31/19	0.00	0.00	Packaging2		<i>JAN 14 2019</i>
170	QC	20 pcs	1/31/19	1/31/19	0.00	0.00	QC6		<i>JAN 15 2019</i>
180	Packaging	20 pcs	1/31/19	1/31/19	0.00	0.00	Packaging3		<i>9-89</i>
190	QC21-SA	20 Ea	1/31/19	1/31/19	0.00	0.00	QC21		<i>JAN 15 2019</i>

Part Op 110 - 1-Machine as per FOLIO FB655 FOLIO REV: AA DWG REV: A 2-Deburr 3-MAKE SURE
Descriptions: PART FIT ON JIG (RB PWC38147-1) DT10365

122 - 1-Machine as per FOLIO FB655 FOLIO REV: AA DWG REV: A 2-Deburr 3-USE JIG (RB PWC38147-1) DT10365 ***NO PRG AND FOLIO FOR CNC MILL***

150 - Issue P/O to ATG : PO 042226 -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant -Certificate of Conformity is required

GA137

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M6061T6R0.500	6061-T6 Round Bar .500"	5.4000 ft (.27 ea)	90-Start up Operation	<u>5127982</u>

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M6061T6R0.500	5	39	0

Part Specifications

Specifications could not be found.

Entered: _____ Date: _____



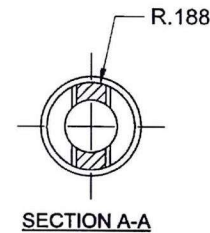
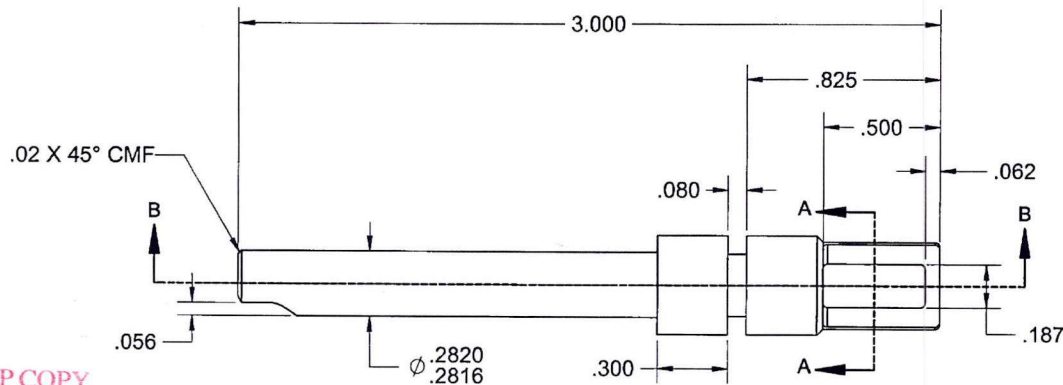
WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

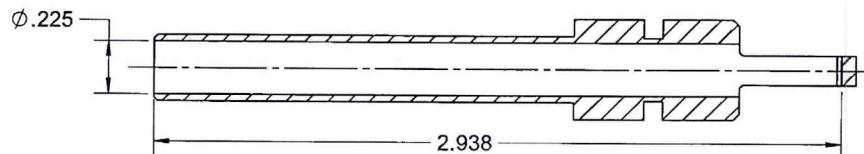
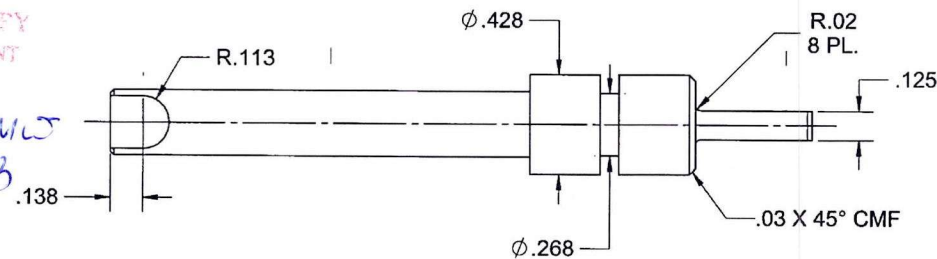
Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date : _____	Sequence #: _____	QTY Affected : _____		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐		FAULT CATEGORY Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐			

8 7 6 5 4 3 2 1

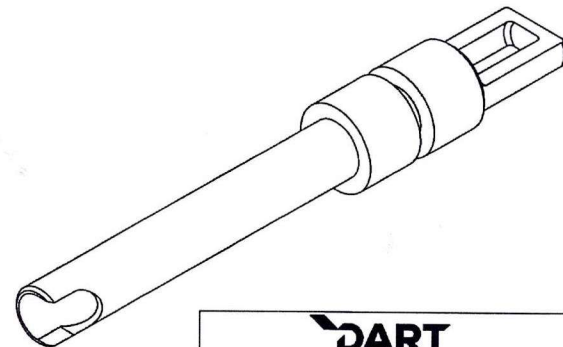


SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 187369.MW
181203



SECTION B-B

RB PWC38147-1 DRAIN QUILL



- NOTES:
- 1) MATERIAL: 6061-T6
 - 2) FINISH: RED ANODIZE
 - 3) HEAT TREAT: N/A
 - 4) SPEC: MIL-A-8625, TYPE II, CLASS 2; WATER SEALANT
 - 5) BREAK ALL SHARP EDGES .015 x 45° OR .015R
 - 6) IDENTIFICATION: N/A

DART AEROSPACE Hawkesbury, Ontario, Canada	
TITLE DRAIN QUILL	
DWG NO. RB PWC38147-1	
DESIGN BY: VM 9/13/2017	XXX ± .005 FRACTIONS 2 1/8
DRAWN BY: VM 10/30/2017	XX ± .01 ANGLES 9.5°
CHECKED: SAC 10/30/2017	1. DIMENSIONS ARE IN INCHES
MFG. APPR: DD 10/31/2017	2. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
APPROVED: WM 11/07/2017	3. DIMENSIONAL LIMITS APPLY AFTER PLATING
DATE: 10/30/2017	SCALE: NTS WEIGHT: SHEET 2 OF 5
COPYRIGHT © 2017 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

8 7 6 5 4 3 2 1



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K64 1K7
CANADA
TEL.: 1 813 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S142579



Part: RB PWC38147-1

Job No: 187369

Serial No/Batch: S142579

Revision: A

Inspector:

Exp Date:

Instructions:

Date: 01/07/19



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042226



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

PO No: PO042226
PO Date: 1/10/19
Due Date: 1/17/19
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 60
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	186330	RBW6210G01631-8G-4	Support -Issue P/O to GROUPE ALTECH; PO _____ -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant -Material type; 6061 -Certificate of Conformity is required	Firmed	-	1/17/19	6 pcs	0 pcs	6 pcs	\$22.50/pcs	\$135.00
2	187369	RB PWC38147-1	Drain Quill -Issue P/O to Altech: PO _____ -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant -Certificate of Conformity is required	Firmed	-	1/17/19	20 pcs	0 pcs	20 pcs	\$1.25/pcs	\$25.00

6 x

JAN 14 2019

20 x

JAN 14 2019

DAS
68
9-89



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042226



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	187370	RB PWC38147-3	Hose End -Issue P/O to Altech: PO _____ -ANODIZE COLOR RED, PER IAW MIL- A-8625 TYPE-2 CLASS-2, Water sealant AS PER DWG RB PWC38147-3 REV. A -Certificate of Conformity is required	Firmed	-	1/17/19	22 pcs	0 pcs	22 pcs	\$1.25/pcs	\$27.50

22 X JAN 14 2019

Grand Total: \$187.50

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

CT

Plex 1/11/19 8:57 AM dart.tsimiklis.chrisoula



Certificat de Conformité / Certificate of Compliance



2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

015859- 1

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.				
12-Jan-2019		Ross Montieth		042226				
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir / Back Order
1	RBW6210G01631-8G-4 Rev.	RBW6210G01631-8G-4 01 -ANO-RED [ANODIZE RED] MIL-A-8625 TYPE 2 CLASS 2	ANODIZE CH	6	6	0	0	0
2	RB PWC38147-1 Rev.	RB PWC38147-1 01 -ANO-RED [ANODIZE RED] MIL-A-8625 TYPE 2 CLASS 2	ANODIZE CH	20	20	0	0	0
3	RB PWC38147-3 Rev.	RB PWC38147-3 01 -ANO-RED [ANODIZE RED] MIL-A-8625 TYPE 2 CLASS 2	ANODIZE CH	22	22	0	0	0

DAS
68
9-89

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.